Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/24/2019 11:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124178	-1	1.25	124245	1.23
Blue	F	SSC	125000	124615	-1	1.56	125391	1.52
Blue	E	FITC	16122	15590	-4	2.65	339	19.11
Blue	D	PE	29316	28617	-3	1.81	624	14.32
Blue	B	PerCP-Cy5-5	42590	41568	-3	3.57	1123	19.70
Blue	A	PE-Cy7	33146	32353	-3	5.84	618	40.14
Red	C	APC	45473	45089	-1	2.51	1597	11.89
Red	A	APC-Cy7	31961	30769	-4	2.44	821	11.67
Violet	B	V450	7914	7493	-6	4.90	440	13.45
Violet	A	V500	29769	28791	-4	4.66	670	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21193	3.04	606	6	N/A	N/A	Pass
Blue	F	SSC	56687	1.01	547	9	N/A	N/A	Pass
Blue	E	FITC	61	61.47	538	1	0.0223	122	Pass
Blue	D	PE	129	49.99	540	3	0.1844	321	Pass
Blue	B	PerCP-Cy5-5	206	47.62	639	1	0.0096	34	Pass
Blue	A	PE-Cy7	116	98.20	692	1	0.0112	13	Pass
Red	C	APC	380	24.71	583	4	0.0256	151	Pass
Red	A	APC-Cy7	182	28.29	558	2	0.0059	1168	Pass
Violet	B	V450	78	50.06	462	2	0.0431	1690	Pass
Violet	A	V500	103	30.83	475	3	0.0225	459	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.22	-31.98	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.85	13.60 - 20.40	N/A	N/A	29.67	29.92	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9523

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments